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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.  | CONFIRMATION NO. |
|--|-------------|----------------------|----------------------|------------------|
| 10/635,250   | 08/06/2003  | James C. Hunziker    | 584-35278-US         | 9426             |
| 24923  | 7590        | 12/07/2005           | EXAMINER             |                  |
| PAUL S MADAN<br>MADAN, MOSSMAN & SRIRAM, PC<br>2603 AUGUSTA, SUITE 700<br>HOUSTON, TX 77057-1130 |             |                      | WHITTINGTON, KENNETH |                  |
|  |             |                      | ART UNIT             | PAPER NUMBER     |
|  |             |                      | 2862                 |                  |

DATE MAILED: 12/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                                    |                                 |  |
|------------------------------|------------------------------------|---------------------------------|--|
| <b>Office Action Summary</b> | Application No.<br>10/635,250      | Applicant(s)<br>HUNZIKER ET AL. |  |
|                              | Examiner<br>Kenneth J. Whittington | Art Unit<br>2862                |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 22 November 2005.
- 2a) ☒ This action is FINAL.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 9, 10, 12-19, 21, 22 and 24-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 15, 22 and 24-27 is/are allowed.
- 6) ☒ Claim(s) 9, 10, 12, 17-19, 21 and 28 is/are rejected.
- 7) ☒ Claim(s) 13, 14 and 16 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.


#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 July 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

  
Bot Ledyne  
Primary Examiner

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

The Response filed November 22, 2005 has been considered.

***Allowable Subject Matter***

Claim 15, 22 and 24-27 are allowed.

6        These claims are allowed for the reasons contained in the  
Action mailed October 14, 2005.

Claims 13, 14 and 16 are objected to as being dependent  
upon a rejected base claim, but would be allowable if rewritten  
in independent form including all of the limitations of the base  
claim and any intervening claims.

12        These claims have allowable subject matter for the same  
reasons as contained in the Action mailed October 14, 2005.

***Claim Rejections - 35 USC § 102***

The text of those sections of Title 35, U.S. Code not  
included in this action can be found in a prior Office action.

18        Claims 9, 10, 12, 17-19, 21 and 28 are rejected under 35  
U.S.C. 102(b) as being anticipated by Rettinger et al. (US  
5,677,631), hereinafter Rettinger.

Regarding claims 9, 12, 17 and 21, Rettinger discloses  
flowline sensor for a borehole formation tester comprising:

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an outer housing (note while not specifically disclosed in Rettinger, housings are well known in the art and are necessary in borehole formation testers to which the device of Rettinger shown in FIG. 1 is installed, see Rettinger col. 12, lines 43-50 and claims);

6 an electrical device or component operatively associated with the housing (See Rettinger FIG. 1, items 10, 11, 21 or 22);

a connector retained within the housing comprising:

a body with a pair of axial ends (See FIGS. 1 and 2, item 13);

a conductive element retained within the body and  
12 interconnected with the electrical device through at least one axial end (See FIGS. 1 and 2, items 14 and 18);

associating a second electrical component or sensor with an exterior of the well tool (See FIGS. 1 and 2, item 16, note channels allows such sensor to be associated with the fluid to make fluid measurements);

18 a circumferential channel adapted to capture fluid therewithin (See FIGS. 1 and 2, items 30 and 31),

and a pair of seals disposed upon the body to preclude fluid flow (See FIG. 2, items 27-29).

Regarding claim 10, Rettinger discloses an electrical pin connector associated with the conductive element that connects

the conductive element with an external conductor (See FIGS. 1 and 2, items 12 and 20).

Regarding claims 18 and 19, Rettinger discloses electrical connections between the sensor or second electronic component and the conductor within with connector; and between the connector and the electronic component within the housing chamber (See FIGS. 1 and 2, note conductors 14 and 18 and connector pins 12 and 20).

Regarding claim 28, Rettinger discloses a sealing encasing the conductive element within the body to electrically isolate the element (See col. 12, line 66 to col. 13, line 5).

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### ***Response to Arguments***

Applicant noted in the remarks of the response filed November 22, 2005 that items 25 and 26 as shown in FIGS. 1-4 of Rettinger et al. are not circumferential channels to capture fluid therein. Upon review of the reference, it is noted that Examiner has inadvertently identified the wrong reference numerals. The circumferential channels are items 30 and 31.

It is also sufficiently clear that the remaining limitations of the claims are clearly taught as noted above and accordingly the rejection stands. Because of the inadvertent error by Examiner, the finality of the rejection is reissued and

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the time period for response is restarted to afford Applicant time to respond to this corrected action.

*Conclusion*

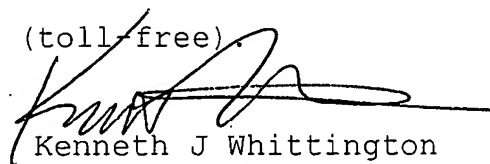
THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth J. Whittington whose telephone number is (571) 272-2264. The examiner can normally be reached on Monday-Friday, 7:30am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on (571) 272-2180. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

6 Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system,  
12 see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Kenneth J Whittington  
Examiner  
Art Unit 2862

kjw